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L7 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2005:471961 HCAPLUS Full-text

DOCUMENT NUMBER: 143:1314

TITLE: Use of 3-aza-1-oxa-dibenzo[e,h]azulenes for the manufacture of pharmaceutical formulations for the

treatment and prevention of central nervous system

diseases and disorders
INVENTOR(S): Mercep, Mladen; Mesic, Milan;

Pesic, Dijana; Dzapo, Iva

PATENT ASSIGNEE(S): Pliva-Istrazivacki Institut D.O.O., Croatia

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

								APPLICATION NO.										
							WO 2004-HR54											
	WO																	
		w:										, BG,						
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		RW:										, SL,						
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							BF,	ВJ,	CF,	CG,	CI	, CM,	GA,	GN,	GQ,	GW,	ML,	MR,
				SN,														
							CA 2004-2546591											
	EP 1684766 EP 1684766													2	0041	119		
	EP																	
		R:										, IT,						
						LV,	FI,	RO,	MK,	CY,	AL	, TR,	ВG,	CZ,	EE,	HU,	PL,	SK,
				IS,														
	CN 1901918			A 20070124			CN 2004-80039454											
	JP 2007512308 AT 365556 ES 2289573				T 20070517													
	AT 365556			T 20070715				AT 2004-798733 ES 2004-798733										
	ES	2289	573			Т3												
		2006						2007				2006-					0060	
		2007		990				2007				2006-					0060	
					A1		2008	0104			2007-					0070		
PRIOR	RIORITY APPLN. INFO.:										2003-							
										WO	2004-	HR54			W 2	0041	119	
OTHER	THER SOURCE(S):					MAR	PAT	143:	1314									

- 4

- AB The present invention relates to the use of compds. from the group of 3-aza-1oxadibenzo[e,h]azulenes (I; X = heteroatom such as O, S, SO, SO2, (un)protected NH; Y, Z = H, halo, alkyl, alkenyl, hydroxy, amino, thiol, sulfonyl, cyano, nitro, etc.; R1 = H, CHO, alkyl, carboxylic, etc.) and of their pharmacol, acceptable salts and solvates for the manufacture of a pharmaceutical formulation for the treatment and prevention of diseases, damages and disorders of the central nervous system (CNS) caused by disorders of the neurochem. equilibrium of biogenic amines or other neurotransmitters. Thus, an in vitro affinity of I compds. for binding to recombinant human 5-HT2A and 5-HT2C serotonin receptors expressed in CHO-K1 or COS-7 cells was determined using a radioligand. The radioligand binding was inhibited by the test compds. proportionally to the affinity of a certain compound for the receptor and to the concentration of the compound Compds. showing IC50 and Ki in concns. lower than 1 uM were considered to be active. Compds. 1-oxa-8thia-3- azadibenzo[e,h]azulene, dimethyl[2-(1-oxa-8-thia-3azadibenzo[e,h]azulen-2- ylmethoxy)ethyl]amine, [2-(1-chloro-1-oxa-8-thia-3azadibenzo[e,h]azulen-2- ylmethoxy)ethyl]dimethylamine, [2-(5-chloro-1-oxa-8thia-3- azadibenzo[e,h]azulen-2-vlmethoxv)ethvl]dimethvlamine and 5-chloro-2methyl-1,8-dioxa-3-azadibenzo[e,h]azulene showed binding affinity to 5-HT2A and 5-HT2C receptors expressed as IC50 value less than 200 nM and Ki value less than 100 nM.
- C ICM A61K031-55
  - ICS A61K031-424; A61P025-00; A61P025-18; A61P025-22; A61P025-24
    1-11 (Pharmacology)
- Section cross-reference(s): 63
- ST azaoxadibenzoazulene biogenic amine neurotransmitter nervous system
- disease; dibenzoazulene azaoxa biogenic amine neurotransmitter CNS disease IT Central nervous system, disease Human
- (azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)
- IT Neurotransmitters
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
    (azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders
    by modulating blogenic amines or other neurotransmitters)
- IT Amines, biological studies
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (biogenic; azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)
- IT 5-HT receptors
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (type 5-HT2A, binding to; azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)
- IT 5-HT receptors
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (type 5-HTZC, binding to; azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)

Opioid receptors

RL: BSU (Biological study, unclassified); BIOL (Biological study) (81-opioid, binding to: azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)

50-67-9, Serotonin, biological studies 51-41-2, Norepinephrine 51-61-6, Dopamine, biological studies

56-86-0, L-Glutamic acid, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study) (azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders

by modulating biogenic amines or other neurotransmitters)

612837-28-2, Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole

612837-29-3, Dibenz[2,3:6,7]oxepino[4,5-d]oxazole

612837-30-6 612837-31-7 612837-32-8

612837-33-9 612837-34-0 612837-35-1

612837-36-2 612837-37-3 612837-38-4

612837-39-5 612837-40-8 612837-41-9

612837-42-0 612837-43-1 612837-44-2 612837-46-4 612837-47-5 612837-48-6

612837-49-7 612837-50-0 612837-51-1

612837-52-2 612837-53-3 612837-54-4

612837-56-6 612837-57-7 612837-58-8

612837-59-9 612837-60-2 612837-61-3

612837-62-4 612837-63-5 612837-64-6

612837-65-7 612837-66-8 612837-67-9

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)

50-67-9, Serotonin, biological studies 51-41-2, Norepinephrine 51-61-6, Dopamine, biological studies

56-86-0, L-Glutamic acid, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)

RN 50-67-9 HCAPLUS

CN 1H-Indol-5-ol, 3-(2-aminoethyl)- (CA INDEX NAME)

51-41-2 HCAPLUS RN

1,2-Benzenediol, 4-[(1R)-2-amino-1-hydroxyethyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

51-61-6 HCAPLUS

CN 1,2-Benzenediol, 4-(2-aminoethvl)- (CA INDEX NAME)

- RN 56-86-0 HCAPLUS
- CN L-Glutamic acid (CA INDEX NAME)

Absolute stereochemistry.

IT 612937-28-2, Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole 612937-29-3, Dibenzo[2,3:6,7]oxepino[4,5-d]oxazole 612937-30-6 612837-31-7 612937-32-8 612837-33-9 612837-34-0 612837-35-1 612837-35-2 612837-37-3 612837-38-4 612837-39-5 612837-34-2 612837-39-3 612837-34-2 612837-44-2 612837-43-1 612837-44-2 612837-45-2 612837-45-3 612837-45-2 612837-45-3 612837-45-2 612837-45-3 612837-45-3 612837-55-2 612837-55-3 612837-55-3 612837-55-3 612837-55-3 612837-55-3 612837-55-3 612837-55-3 612837-56-3 612837-56-3 612837-56-3 612837-56-3 612837-56-3 612837-56-3 612837-56-4 612837-56-4 612837-56-5 612837-56-2 612837-61-3 612837-61-3 612837-61-6

612837-65-7 612837-66-8 612837-67-9
RE: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(azaoxa-dibenzoazulenes for treatment and prevention of CNS disorders
by modulating biogenic amines or other neurotransmitters)

- RN 612837-28-2 HCAPLUS
- CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole (9CI) (CA INDEX NAME)

- RN 612837-29-3 HCAPLUS
- CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole (9CI) (CA INDEX NAME)

RN 612837-30-6 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole-2-propanoic acid, ethyl ester (CA INDEX NAME)

RN 612837-31-7 HCAPLUS

CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole-2-propanoic acid, ethyl ester (CA INDEX NAME)

RN 612837-32-8 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole, 2-methyl- (CA INDEX NAME)

RN 612837-33-9 HCAPLUS

CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole, 2-methyl- (CA INDEX NAME)

RN 612837-34-0 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole, 11-chloro-2-methyl- (CA INDEX NAME)

RN 612837-35-1 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole, 5-chloro-2-methyl- (CA INDEX NAME)

RN 612837-36-2 HCAPLUS

CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole, 11-chloro-2-methyl- (CA INDEX NAME)

RN 612837-37-3 HCAPLUS

CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole, 5-chloro-2-methyl- (CA INDEX NAME)

RN 612837-38-4 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole-2-carboxaldehyde (CA INDEX NAME)

RN 612837-39-5 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole-2-propanoic acid (CA INDEX NAME)

RN 612837-40-8 HCAPLUS

CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole-2-propanoic acid (CA INDEX NAME)

RN 612837-41-9 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole-2-methanol (CA INDEX NAME)

RN 612837-42-0 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole-2-propanol (CA INDEX NAME)

RN 612837-43-1 HCAPLUS

CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole-2-propanol (CA INDEX NAME)

RN 612837-44-2 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole, 2-(bromomethyl)- (CA INDEX NAME)

RN 612837-46-4 HCAPLUS

CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole, 2-(bromomethyl)- (CA INDEX NAME)

RN 612837-47-5 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole, 2-(bromomethy1)-5-chloro- (CA INDEX NAME)

RN 612837-48-6 HCAPLUS

CN Dibenzo[2,3:6,7]thiepino[4,5-d]oxazole, 2-(bromomethy1)-11-chloro- (CA INDEX NAME)

RN 612837-49-7 HCAPLUS

CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole, 2-(bromomethyl)-5-chloro- (CA INDEX NAME)

RN 612837-50-0 HCAPLUS

CN Dibenz[2,3:6,7]oxepino[4,5-d]oxazole, 2-(bromomethyl)-11-chloro- (CA INDEX NAME)

RN 612837-51-1 HCAPLUS

CN Ethanamine, 2-(dibenzo[2,3:6,7]thiepino[4,5-d]oxazol-2-ylmethoxy)-N,N-dimethyl- (CA INDEX NAME)

Me2N-CH2-CH2-O-CH2

RN 612837-52-2 HCAPLUS

CN 1-Propanamine, 3-(dibenzo[2,3:6,7]thiepino[4,5-d]oxazol-2-ylmethoxy)-N,N-dimethyl- (CA INDEX NAME)

Me2N- (CH2)3-0-CH2

RN 612837-53-3 HCAPLUS

CN Ethanamine, 2-(3-dibenzo[2,3:6,7]thiepino[4,5-d]oxazol-2-ylpropoxy)-N,N-dimethyl- (CA INDEX NAME)

Me2N-CH2-CH2-O-(CH2)3

RN 612837-54-4 HCAPLUS

CN 1-Propanamine, 3-(3-dibenzo[2,3:6,7]thiepino[4,5-d]oxazol-2-ylpropoxy)-N,N-dimethyl- (CA INDEX NAME)

RN 612837-56-6 HCAPLUS

CN Ethanamine, 2-(3-dibenz[2,3:6,7]oxepino[4,5-d]oxazol-2-ylpropoxy)-N,N-dimethyl- (CA INDEX NAME)

RN 612837-57-7 HCAPLUS

CN 1-Propanamine, 3-(3-dibenz[2,3:6,7]oxepino[4,5-d]oxazol-2-ylpropoxy)-N,N-dimethyl- (CA INDEX NAME)

RN 612837-58-8 HCAPLUS

CN Ethanamine, 2-(dibenz[2,3:6,7]oxepino[4,5-d]oxazol-2-ylmethoxy)-N,N-dimethyl- (CA INDEX NAME)

RN 612837-59-9 HCAPLUS

CN 1-Propanamine, 3-(dibenz[2,3:6,7]oxepino[4,5-d]oxazol-2-ylmethoxy)-N,N-dimethyl- (CA INDEX NAME)

RN 612837-60-2 HCAPLUS

CN Ethanamine, 2-[(5-chlorodibenzo[2,3:6,7]thiepino[4,5-d]oxazol-2-yl)methoxy]-N,N-dimethyl- (CA INDEX NAME)

RN 612837-61-3 HCAPLUS

CN 1-Propanamine, 3-[(5-chlorodibenzo[2,3:6,7]thiepino[4,5-d]oxazol-2-yl)methoxy]-N,N-dimethyl- (CA INDEX NAME)

RN 612837-62-4 HCAPLUS

CN Ethanamine, 2-[(11-chlorodibenzo[2,3:6,7]thiepino[4,5-d]oxazol-2-yl)methoxy]-N,N-dimethyl- (CA INDEX NAME)

RN 612837-63-5 HCAPLUS

CN 1-Propanamine, 3-[(11-chlorodibenzo[2,3:6,7]thiepino[4,5-d]oxazol-2-yl)methoxy]-N,N-dimethyl- (CA INDEX NAME)

RN 612837-64-6 HCAPLUS

CN Ethanamine, 2-[(5-chlorodibenz[2,3:6,7]oxepino[4,5-d]oxazol-2-yl)methoxy]N,N-dimethyl- (CA INDEX NAME)

RN 612837-65-7 HCAPLUS

CN 1-Propanamine, 3-[(5-chlorodibenz[2,3:6,7]oxepino[4,5-d]oxazol-2-yl)methoxy]-N,N-dimethyl- (CA INDEX NAME)

RN 612837-66-8 HCAPLUS

CN Ethanamine, 2-[(11-chlorodibenz[2,3:6,7]oxepino[4,5-d]oxazol-2-y1)methoxy]N,N-dimethyl- (CA INDEX NAME)

RN 612837-67-9 HCAPLUS

CN 1-Propanamine, 3-[(11-chlorodibenz[2,3:6,7]oxepino[4,5-d]oxazol-2yl)methoxy]-N,N-dimethyl- (CA INDEX NAME)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2005:471937 HCAPLUS Full-text

DOCUMENT NUMBER: 143:1311

TITLE: Use of 1-oxadibenzo[e,h]azulenes

for the manufacture of pharmaceutical formulations for the treatment and prevention of central nervous system

diseases and disorders

INVENTOR(S): Mercep, Mladen; Mesic, Milan;
Pesic, Dijana

PATENT ASSIGNEE(S): Pliva-Istrazivacki Institut D.O.O., Croatia

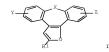
SOURCE: PCT Int. Appl., 37 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: English FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

I	PATENT NO.				KIND DATE			APPLICATION NO.										
	WO 2005049010			A1 20050602		WO 2004-HR52												
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB	, BG,	BR,	BW,	BY,	BZ,	CA,	CH,
			CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ	, EC,	EE,	EG,	ES,	FI,	GB,	GD,
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS	, JP,	KE,	KG,	KP,	KR,	KZ,	LC,
			LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG	, MK,	MN,	MW,	MX,	MZ,	NA,	NI,
			NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU	, SC,	SD,	SE,	SG,	SK,	SL,	SY,
			ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US	, UZ,	VC,	VN,	YU,	ZA,	ZM,	zw
		RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD	, SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,
			ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ΤJ,	TM,	AT	, BE,	BG,	CH,	CY,	CZ,	DE,	DK,
			EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IS	, IT,	LU,	MC,	NL,	PL,	PT,	RO,
			SE,	SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI	, CM,	GA,	GN,	GQ,	GW,	ML,	MR,
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I	EP 1684742			A1 20060802			EP 2004-798731					20041119						
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			HR,	IS,	YU													
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Ţ	JS	2007	0173	493		A1		2007	0726		US :	2006-	5959	35		2	0060	809
PRIOR:	PRIORITY APPLN. INFO.:									HR :	2003-	955			A 2	0031	121	
											WO :	2004-	HR52			W 2	0041	119
OTHER	THER SOURCE(S):					MAR	PAT	143:	1311									



- AB The present invention relates to the use of compds. from the group of 1oxadibenzo[e,h]azulenes (I; X = CH2, heteroatom such as O, S, SO, SO2, amino; Y, Z = H, halo, alkyl, haloalkyl, hydroxy, alkoxy, amino, thiol, sulfonyl, carboxy, cyano, nitro, etc.; R1 = CHO, alkyl, amino, etc.) and of their pharmacol, acceptable salts and solvates for the manufacture of a pharmaceutical formulation for the treatment and prevention of diseases, damages and disorders of the central nervous system (CNS) caused by disorders of the neurochem. equilibrium of biogenic amines or other neurotransmitters, such as serotonin, norepinephrine and dopamine. Thus, an in vitro affinity of I compds. for binding to recombinant human 5-HT2A and 5-HT2C serotonin receptors expressed in CHO-K1 or COS-7 cells was determined using a radioligand. The radioligand binding was inhibited by the test compds. proportionally to the affinity of a certain compound for the receptor and to the concentration of the compound Compds. showing IC50 and Ki in concns. lower than 1 µM were considered to be active. Compound 2-[(11-chloro-1,8dioxadibenzo[e,h]azulen-2-yl- methoxy)ethyl]dimethylamine showed binding affinity to 5-HT2A and 5-HT2C receptors expressed as IC50 value less than 200 nM and Ki value less than 100 nM.
- IC ICM A61K031-343
- ICS A61K031-34; A61K031-38; A61K031-55; A61P025-00
- CC 1-11 (Pharmacology)
- Section cross-reference(s): 63
- ST oxadibenzoazulene biogenic amine neurotransmitter central nervous system disease; dibenzoazulene oxa biogenic amine neurotransmitter CNS disease IT Amines, biological studies
- RL: BSU (Biological study, unclassified); BIOL (Biological study)
  (biogenic; oxadibenzoazulenes for treatment and prevention of CNS
  disorders by modulating bioqenic amines or other neurotransmitters)
- IT Central nervous system, disease
  - (oxadibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)
- IT Neurotransmitters
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (oxadibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)
- IT 5-HT receptors
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (type 5-HT2A, binding to; oxadibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)
- IT 5-HT receptors
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (type 5-HT2C, binding to; oxadibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)
- IT Opioid receptors
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) ( $\delta 1$ -opioid, binding to; oxadibenzoazulenes for treatment and

prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)

II 50-67-9, Serotonin, biological studies 51-41-2,

Norepinephrine 51-61-6, Dopamine, biological studies 56-36-0, L-Glutamic acid, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(oxadibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)

T 193012-94-7D, Dibenzo[b,f]furo[2,3-d]oxepin, derivs.

193012-94-70, Dibenzo[D,T]Turo[2,3-d]oxepin, der 628262-96-4 628262-97-5 628262-98-6

628262-99-7 628263-00-3 628263-01-4

628263-02-5 628263-03-6 628263-04-7,

Dibenzo[b,f]furo[2,3-d]oxepin-2-methanol 628263-05-8

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (oxadibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)

IT 50-67-9, Serotonin, biological studies 51-41-2,

Norepinephrine 51-61-6, Dopamine, biological studies

56-86-0, L-Glutamic acid, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study) (oxadibenzoazulenes for treatment and prevention of CNS disorders by modulating bioquenic amines or other neurotransmitters)

RN 50-67-9 HCAPLUS

CN 1H-Indol-5-ol, 3-(2-aminoethyl)- (CA INDEX NAME)

RN 51-41-2 HCAPLUS

CN 1,2-Benzenediol, 4-[(1R)-2-amino-1-hydroxyethyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

RN 51-61-6 HCAPLUS

CN 1,2-Benzenediol, 4-(2-aminoethyl)- (CA INDEX NAME)

RN 56-86-0 HCAPLUS

CN L-Glutamic acid (CA INDEX NAME)

Absolute stereochemistry.

IT 199012-94-70, Dibenzo[b,f]furo[2,3-d]oxepin, derivs.

628262-96-4 628262-97-5 628262-98-6 628262-99-7 628263-00-3 628263-01-4

628263-02-5 628263-03-6 628263-04-7,

Dibenzo[b,f]furo[2,3-d]oxepin-2-methanol 628263-05-8

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(oxadibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)

RN 199012-94-7 HCAPLUS

CN Dibenzo[b,f]furo[2,3-d]oxepin (9CI) (CA INDEX NAME)

- RN 628262-96-4 HCAPLUS
- CN 1-Propanamine, 3-(dibenzo[b,f]furo[2,3-d]oxepin-2-ylmethoxy)-N,N-dimethyl-(CA INDEX NAME)

- RN 628262-97-5 HCAPLUS
- CN Ethanamine, 2-[(11-chlorodibenzo[b,f]furo[2,3-d]oxepin-2-yl)methoxy]-N,N-dimethyl- (CA INDEX NAME)

RN 628262-98-6 HCAPLUS

- RN 628262-99-7 HCAPLUS
- CN 1-Propanamine, 3-[(11-chlorodibenzo[b,f]furo[2,3-d]oxepin-2-y1)methoxy]-(CA INDEX NAME)

- RN 628263-00-3 HCAPLUS
- CN Dibenzo[b,f]furo[3,2-d]oxepin, 2-methyl- (CA INDEX NAME)

- RN 628263-01-4 HCAPLUS
- CN Dibenzo[b,f]furo[2,3-d]oxepin, 11-chloro-2-methyl- (CA INDEX NAME)

- RN 628263-02-5 HCAPLUS
- CN Dibenzo[b,f]furo[3,2-d]oxepin-2-carboxaldehyde (CA INDEX NAME)

RN 628263-03-6 HCAPLUS

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-carboxaldehyde, 11-chloro- (CA INDEX NAME)

RN 628263-04-7 HCAPLUS

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-methanol (CA INDEX NAME)

RN 628263-05-8 HCAPLUS

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-methanol, 11-chloro- (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

RESULTS FROM REGISTRY, CAPLUS, AND USPATFULL

=> d que stat 115 L8 STR

VAR G1=0/S/N NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L10 25 SEA FILE=REGISTRY SSS FUL L8 L11 12 SEA FILE=HCAPLUS ABB=ON L10

L12 6 SEA FILE-HCAPLUS ABB=ON L11 AND (?CENTRAL?(W)?NERV?(W)?SYST?
OR CNS OR ?WEUROCHEM?(W)?EQUIL? OR ?BIOGEN?(W)AMINE? OR

?NEUROTRANSMIT?)

L13 1 SEA FILE-USPATFULL ABB=ON L11 AND (?CENTRAL?(W)?NERV?(W)?SYST?
OR CNS OR ?NEUROCHEM?(W)?EQUIL? OR ?BIOGEN?(W)AMINE? OR

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L14 7 DUP REMOV L12 L13 (0 DUPLICATES REMOVED) L15 7 SEA L14 AND (PRD<20041119 OR PD<20041119)

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L15 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2005:471937 HCAPLUS Full-text

DOCUMENT NUMBER: 143:1311

TITLE: Use of 1-oxadibenzo[e,h]azulenes for the manufacture

of pharmaceutical formulations for the treatment and prevention of central nervous

system diseases and disorders

INVENTOR(S): Mercep, Mladen; Mesic, Milan; Pesic, Dijana

PATENT ASSIGNEE(S): Pliva-Istrazivacki Institut D.O.O., Croatia

SOURCE: PCT Int. Appl., 37 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent

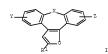
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005049010	A1	20050602	WO 2004-HR52	20041119 <

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            CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
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         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
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     JP 2007512306
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                                            US 2006-595935
                                                                   20060809 <--
                                            HR 2003-955
PRIORITY APPLN. INFO.:
                                                                A 20031121 <--
                                                               W 20041119
                                            WO 2004-HR52
OTHER SOURCE(S):
                        MARPAT 143:1311
GI
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AB The present invention relates to the use of compds, from the group of 1oxadibenzo[e,h]azulenes (I; X = CH2, heteroatom such as O, S, SO, SO2, amino; Y, Z = H, halo, alkyl, haloalkyl, hydroxy, alkoxy, amino, thiol, sulfonyl, carboxy, cyano, nitro, etc.; R1 = CHO, alkyl, amino, etc.) and of their pharmacol. acceptable salts and solvates for the manufacture of a pharmaceutical formulation for the treatment and prevention of diseases, damages and disorders of the central nervous system (CMS) caused by disorders of the neurochem, equilibrium of biogenic amines or other neurotransmitters, such as serotonin, norepinephrine and dopamine. Thus, an in vitro affinity of I compds. for binding to recombinant human 5-HT2A and 5-HT2C serotonin receptors expressed in CHO-K1 or COS-7 cells was determined using a radioligand. The radioligand binding was inhibited by the test compds. proportionally to the affinity of a certain compound for the receptor and to the concentration of the compound Compds. showing IC50 and Ki in concns. lower than 1 uM were considered to be active. Compound 2-[(11-chloro-1.8dioxadibenzo[e,h]azulen-2-yl- methoxy)ethyl]dimethylamine showed binding affinity to 5-HT2A and 5-HT2C receptors expressed as IC50 value less than 200 nM and Ki value less than 100 nM.

T 199012-94-70, Dibenzo[b,f]furo[2,3-d]oxepin, derivs. 628262-96-4 628262-97-5 628262-98-6

628262-96-4 628262-97-5 628262-98-6 628262-99-7 628263-00-3 628263-01-4

628263-02-5 628263-03-6 628263-04-7,

Dibenzolb, flfurol2, 3-dloxepin-2-methanol 628263-05-8

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (oxadibenzoavulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other

neurotransmitters)

- RN 199012-94-7 HCAPLUS
- CN Dibenzo[b,f]furo[2,3-d]oxepin (9CI) (CA INDEX NAME)

RN 628262-96-4 HCAPLUS

CN 1-Propanamine, 3-(dibenzo[b,f]furo[2,3-d]oxepin-2-ylmethoxy)-N,N-dimethyl-(CA INDEX NAME)

RN 628262-97-5 HCAPLUS

CN Ethanamine, 2-[(11-chlorodibenzo[b,f]furo[2,3-d]oxepin-2-yl)methoxy]-N,N-dimethyl- (CA INDEX NAME)

RN 628262-98-6 HCAPLUS

CN 1-Propanamine, 3-[(11-chlorodibenzo[b,f]furo[2,3-d]oxepin-2-y1)methoxy]N,N-dimethyl- (CA INDEX NAME)

RN 628262-99-7 HCAPLUS

CN 1-Propanamine, 3-[(11-chlorodibenzo[b,f]furo[2,3-d]oxepin-2-y1)methoxy](CA INDEX NAME)

RN 628263-00-3 HCAPLUS

CN Dibenzo[b,f]furo[3,2-d]oxepin, 2-methyl- (CA INDEX NAME)

RN 628263-01-4 HCAPLUS

CN Dibenzo[b,f]furo[2,3-d]oxepin, 11-chloro-2-methyl- (CA INDEX NAME)

RN 628263-02-5 HCAPLUS

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-carboxaldehyde (CA INDEX NAME)

RN 628263-03-6 HCAPLUS

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-carboxaldehyde, 11-chloro- (CA INDEX NAME)



RN 628263-04-7 HCAPLUS

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-methanol (CA INDEX NAME)



RN 628263-05-8 HCAPLUS

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-methanol, 11-chloro- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 1983:143257 HCAPLUS Full-text

DOCUMENT NUMBER: 98:143257

ORIGINAL REFERENCE NO.: 98:21821a,21824a

TITLE: Neurotropic and psychotropic agents. CLXXIII.

Fluorinated tricyclic neuroleptics with prolonged action: 3-fluoro-10-[4-(2-hydroxyethyl)piperazino]-10.11-dihydrodibenzo[b.flthiepins with less common

substituents in position 8

AUTHOR(S): Sindelar, Karel; Metysova, Jirina; Holubek, Jiri;

Svatek, Emil; Ryska, Miroslav; Protiva, Miroslav CORPORATE SOURCE: Res. Inst. Pharm. Biochem., Prague, 130 60, Czech.

SOURCE: Collection of Czechoslovak Chemical Communications (

1983), 48(1), 144-55

CODEN: CCCCAK; ISSN: 0366-547X

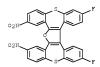
CODEN: CCCCAK; ISSN: 0366-5472

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 98:143257

G1

- AB Cyclization of 4,2-F(4-O2NC6H4S)C6H3CO2H gave 3-fluoro-8nitrodibenzo[b,f]thiepin-10(11H)-one (I). I was reduced to II (R = NO2, R1 = OH) which was chlorinated to II (R = NO2, R1 = C1)(III). Condensation of III with R2H gave II (R = NO2, R1 = R2). Also prepared were II (R = NH2, Ac, SO2NMe; R1 = R2). These II are central nervous system depressants and apomorphine antagonists. I (R = NO2, R1 = R2) had ED50 of 0.27 mg/kg orally in mice in the rotarod test after 2 h compared to 2.2 mg/kg for octoclothepsin.
- 85195-81-9P RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
- RN 85195-81-9 HCAPLUS
- Bisdibenzo[2,3:6,7]thiepino[4,5-b:4',5'-d]furan, 12,17-difluoro-3,7-CN dinitro- (9CI) (CA INDEX NAME)



L15 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 1982:85513 HCAPLUS Full-text

DOCUMENT NUMBER: 96:85513 ORIGINAL REFERENCE NO.: 96:14043a

TITLE: Neurotropic and psychotropic agents. CLIV.

Fluorinated tricyclic neuroleptics with prolonged

action: 3-fluoro-8-halo derivatives of

10-piperazino-10,11-dihydrodibenzo[b,f]thiepins

Protiva, Miroslav; Sindelar, Karel; Metysova, Jirina; Holubek, Jiri; Ryska, Miroslav; Svatek, Emil; Sedivy,

Zdenek; Pomykacek, Josef

CORPORATE SOURCE: Res. Inst. Pharm. Biochem., Prague, 130 60, Czech.

Collection of Czechoslovak Chemical Communications ( SOURCE:

1981), 46(8), 1788-99

CODEN: CCCCAK: ISSN: 0366-547X

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 96:85513

AUTHOR(S):

- AB The title compds. I [R = F, R1 = 4-methylpiperazino; R = Br, iodo, R1 = 4-(2hydroxyethyl)piperazino] were prepared by aminating I (R1 = C1), obtained by chlorinating I (R1 = OH). The alcs, were obtained by reducing the ketones, prepared by cyclizing 5,2-F(HO2CCH2)C6H3SC6H4R-4 with polyphosphoric acid. I (R1 = substituted piperazino) have centra! nervous system depressant activity. Their structure-activity relationships are discussed.
- 80709-39-3P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

- 80709-39-3 HCAPLUS RN
- CM Bisdibenzo[2,3:6,7]thiepino[4,5-b:4',5'-d]furan, 3,7,12,17-tetrafluoro-(9CI) (CA INDEX NAME)



L15 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 1980:146715 HCAPLUS Full-text

DOCUMENT NUMBER:

92:146715

ORIGINAL REFERENCE NO.: 92:23848h,23849a

TITLE:

Neurotropic and psychotropic agents. CXXVII.

Potential metabolites of tricyclic neuroleptics and their fluorinated analogs; 3-hydroxy-, 3-methoxy- and

3-fluoro-10-(4-methylpiperazino)-10,11dihydrodibenzo[b,f]thiepin

AUTHOR(S):

Protiva, Miroslav; Sindelar, Karel; Sedivy, Zdenek;

Metysova, Jirina

CORPORATE SOURCE:

DOCUMENT TYPE:

Res. Inst. Pharm. Biochem., Prague, 130 00/3, Czech.

SOURCE:

Collection of Czechoslovak Chemical Communications (

1979), 44(7), 2108-23 CODEN: CCCCAK; ISSN: 0366-547X

Journal

LANGUAGE:

English

GI

- AB 4-Methoxy-2-(phenylthio)benzoic acid was transformed in 4 steps to the homologous acetic acid which was cyclized to 3-methoxydibenzo[b,f]-thiepin-10(11H)-one. Three further steps led to the 3-methoxy derivative of perathiepin (I, R = OMe) which was demethylated with BBr3 to give I (R = OH). I (R = F) was prepared from (4-fluoro-2-iodophenyl)acetic acid, which was prepared by several procedures. Whereas I (R = OMe) had only mild tranquilizing activity, I (R = OH) was more potent than perathiepin in the tests for central depressant and cataleptic effects. I (R = F), while lacking the properties of a neuroleptic agent, was highly central depressant and this effect was prolonged after oral administration.
- 73129-02-9P RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
- RN 73129-02-9 HCAPLUS CN Bisdibenzo[2,3:6,7]thiepino[4,5-b:4',5'-d]furan, 12,17-difluoro- (9CI) (CA INDEX NAME)

L15 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 1980:128852 HCAPLUS Full-text

DOCUMENT NUMBER: 92:128852

ORIGINAL REFERENCE NO.: 92:21015a,21018a

TITLE: Neurotropic and psychotropic agents. CXXIX.

Fluorinated neuroleptics of the 10-piperazino-10,11dihydrodibenzo[b,f]thiepin series; 6-fluoro

derivatives of perathiepin, octoclothepin, doclothepin

and some related compounds

AUTHOR(S): Cervena, Irena; Metysova, Jirina; Bartl, Vaclav;

Protiva, Miroslav

CORPORATE SOURCE: Res. Inst. Pharm. Biochem., Prague, 130 00/3, Czech. Collection of Czechoslovak Chemical Communications ( SOURCE:

1979), 44(7), 2139-55

CODEN: CCCCAK; ISSN: 0366-547X

DOCUMENT TYPE: Journal

LANGUAGE: English OTHER SOURCE(S): CASREACT 92:128852

- AB 6-Fluoro-10-piperazino-10,11-dihydrodibenzo(b,f)thiepins I (R = Me, CH2CH2OH, Rl = H, R2 = H, Cl; R = Me, Rl = Cl, R2 = H) were prepared via 2-C2-fluorophenylthio)phenylacetic acids, 6-fluorodibenzo(b,f)thiepin-10(11H)-ones, the corresponding 10-hydroxy and 10-chloro compds. as intermediates. Fluorination in position 6 did not greatly influence the pharmacol profile of the compds., indicating that hydroxylation in position 6 is only a minor metabolic pathway. I (R = Me, Rl = Cl, R2 = H) is a potent central depressant and neuroleptic agent with some protraction of the sedative effects. Many of the compds. also had bactericidal, fungicidal, and tuberculostatic activity.
- RL: SPN (Synthetic preparation); PREP (Preparation)
- (preparation of) RN 73129-48-3 HCAPLUS
- CN Bisdibenzo[2,3:6,7]thiepino[4,5-b:4',5'-d]furan, 1,9-difluoro- (9CI) (CA INDEX NAME)



L15 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 1977:439416 HCAPLUS Full-text

DOCUMENT NUMBER: 87:39416

ORIGINAL REFERENCE NO.: 87:6219a,6222a

TITLE: Neurotropic and psychotropic agents. CV. Potential metabolites of noncataleptic neuroleptics:

2-chloro-8-hydroxy-10-(4-methylpiperazino)- and

-10-[4-(2-hydroxyethyl)piperazino]-10,11-dihydrodibenzo[b,f]thiepin

AUTHOR(S): Valenta, V.; Bartl, V.; Dlabac, A.; Metysova, J.; Protiva, M.

CORPORATE SOURCE: Res. Inst. Pharm. Biochem., Prague, Czech.
SOURCE: Collection of Czechoslovak Chemical Commun

Collection of Czechoslovak Chemical Communications (1976), 41(12), 3607-27

CODEN: CCCCAK; ISSN: 0366-547X

DOCUMENT TYPE: LANGUAGE: GI Journal English

CI R1

I, R=Me II, R=CH2CH2OH

AB Starting from 5-chloro-2-(4-methoxyphenylthio)benzoic acid, 5 synthetic steps led to 2-chloro-8-methoxydibenzo(b,f)thiepin-10(11H)-one which was converted via 2 intermediates to 2-chloro-8-methoxy-10-(4- methylpiperazino)- and -10-[4-(2-hydroxyethyl)piperazino]-10,11- dihydrodibenzo(b,f)thiepin (I and II, Rl = 0Me). Demethylation with BBr3 led to the title compds. I and II (Rl = OH), which are potential metabolites of noncataleptic neuroleptics doclothepin and VUFB-10032 (I and II, Rl = H). I and II (Rl = OH and OMe) have central depressant and cataleptic effects, the methoxy derivs. being more active than the hydroxy derivs. (LD50 and ED50 given). Modified methods of preparing 5-chloro-2-(phenylthio)benzoic acid and the corresponding alc. were described.

IT 63186-55-0P 63186-56-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 63186-55-0 HCAPLUS

CN Bisdibenzo[2,3:6,7]thiepino[4,5-b:4',5'-d]furan, 13,16-dichloro- (9CI) (CA INDEX NAME)

RN 63186-56-1 HCAPLUS

CN Bisdibenzo[2,3:6,7]thiepino[4,5-b:4',5'-d]furan, 3,7-dichloro- (9CI) (CA INDEX NAME)

L15 ANSWER 7 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2007:198145 USPATFULL Full-text

TITLE: 1-Oxadibenzo[e,h]azulenes for the treatment of

central pervous system

diseases and disorders INVENTOR(S): Mercep, Mladen, Zagreb, CROATIA

Mesic, Milan, Zagreb, CROATIA

Pesic, Dijana, Sibenik, CROATIA PATENT ASSIGNEE(S): Pliva-Istrazivacki Institut d.o.o., Zagreb, CROATIA,

10000 (non-U.S. corporation)

NUMBER KIND DATE PATENT INFORMATION: IIS 20070173493 A1 20070726 US 2004-595935 20041119 (10) APPLICATION INFO.: A1 WO 2004-HR52 20041119

20060809 PCT 371 date

NUMBER DATE

PRIORITY INFORMATION: HR 2003-20030955 20031121

<--DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE:

DARBY & DARBY P.C., P.O. BOX 770, Church Street Station, New York, NY, 10008-0770, US

15

EXEMPLARY CLAIM: 1

NUMBER OF CLAIMS:

LINE COUNT: 941

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the use of compounds from the group of 1oxadibenzo[e,h]azulenes and of their pharmacologically acceptable salts and solvates in pharmaceutical formulation for the treatment and prevention of diseases, damages and disorders of the central pervous system (CNS) caused by disorders of the neurochemical equilibrium of biogenic amines or other neurotransmitters.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 139012-94-7D, Dibenzo[b,f]furo[2,3-d]oxepin, derivs. 628262-96-4 628262-97-5 628262-98-6

628262-99-7 628263-00-3 628263-01-4

628263-02-5 628263-03-6 628263-04-7,

Dibenzo[b, f]furo[2,3-d]oxepin-2-methanol 628363-05-8

(oxadibenzoazulenes for treatment and prevention of CNS disorders by modulating biogenic amines or other neurotransmitters)

RN 199012-94-7 USPATFULL

CN Dibenzo[b,f]furo[2,3-d]oxepin (9CI) (CA INDEX NAME)



- RN 628262-96-4 USPATFULL
- CN 1-Propanamine, 3-(dibenzo[b,f]furo[2,3-d]oxepin-2-ylmethoxy)-N,N-dimethyl(CA INDEX NAME)

- RN 628262-97-5 USPATFULL
- CN Ethanamine, 2-[(11-chlorodibenzo[b,f]furo[2,3-d]oxepin-2-y1)methoxy]-N,N-dimethv1- (CA INDEX NAME)

- RN 628262-98-6 USPATFULL
- CN 1-Propanamine, 3-[(11-chlorodibenzo[b,f]furo[2,3-d]oxepin-2-y1)methoxy]-N,N-dimethyl- (CA INDEX NAME)

- RN 628262-99-7 USPATFULL

- RN 628263-00-3 USPATFULL
- CN Dibenzo[b,f]furo[3,2-d]oxepin, 2-methyl- (CA INDEX NAME)

RN 628263-01-4 USPATFULL

CN Dibenzo[b,f]furo[2,3-d]oxepin, 11-chloro-2-methyl- (CA INDEX NAME)

RN 628263-02-5 USPATFULL

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-carboxaldehyde (CA INDEX NAME)

RN 628263-03-6 USPATFULL

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-carboxaldehyde, 11-chloro- (CA INDEX NAME)

RN 628263-04-7 USPATFULL

CN Dibenzo[b,f]furo[3,2-d]oxepin-2-methanol (CA INDEX NAME)

- RN 628263-05-8 USPATFULL
- CN Dibenzo[b,f]furo[3,2-d]oxepin-2-methanol, 11-chloro- (CA INDEX NAME)

## SEARCH HISTORY

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(FILE 'HOME' ENTERED AT 13:14:24 ON 09 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 13:14:35 ON 09 JUN 2008

- E MERCEP MLADEN/AU
- 54 SEA ABB=ON ("MERCEP MLADEN"/AU OR "MERCEP MLANDEN"/AU) E MESIC MILAN/AU
- 1.2 72 SEA ABB=ON ("MESIC M"/AU OR "MESIC MILAN"/AU)
- E PESIC DIJANA/AU
- T. 3 71 SEA ABB=ON ("PESIC D S"/AU OR "PESIC DEJAN"/AU OR "PESIC DIJANA"/AU)
- L4 25 SEA ABB=ON L1 AND L2 AND L3
- 1.5 2 SEA ABB=ON L4 AND 1(W) 20XADTBENZO? SELECT RN L5 1-2

# FILE 'REGISTRY' ENTERED AT 13:15:42 ON 09 JUN 2008

1.6 53 SEA ABB=ON (50-67-9/BI OR 51-41-2/BI OR 51-61-6/BI OR 56-86-0/BI OR 199012-94-7/BI OR 612837-28-2/BI OR 612837-29-3/B

I OR 612837-30-6/BI OR 612837-31-7/BI OR 612837-32-8/BI OR 612837-33-9/BT OR 612837-34-0/BT OR 612837-35-1/BT OR 612837-36 -2/BI OR 612837-37-3/BI OR 612837-38-4/BI OR 612837-39-5/BI OR 612837-40-8/BI OR 612837-41-9/BI OR 612837-42-0/BI OR 612837-43 -1/BI OR 612837-44-2/BI OR 612837-46-4/BI OR 612837-47-5/BI OR 612837-48-6/BI OR 612837-49-7/BI OR 612837-50-0/BI OR 612837-51 -1/BI OR 612837-52-2/BI OR 612837-53-3/BI OR 612837-54-4/BI OR 612837-56-6/BI OR 612837-57-7/BI OR 612837-58-8/BI OR 612837-59 -9/BI OR 612837-60-2/BI OR 612837-61-3/BI OR 612837-62-4/BI OR 612837-63-5/BI OR 612837-64-6/BI OR 612837-65-7/BI OR 612837-66 -8/BI OR 612837-67-9/BI OR 628262-96-4/BI OR 628262-97-5/BI OR 628262-98-6/BI OR 628262-99-7/BI OR 628263-00-3/BI OR 628263-01 -4/BI OR 628263-02-5/BI OR 628263-03-6/BI OR 628263-04-7/BI OR

628263-05-8/BI)

FILE 'HCAPLUS' ENTERED AT 13:15:49 ON 09 JUN 2008 2 SEA ABB=ON L5 AND L6

FILE 'REGISTRY' ENTERED AT 13:17:17 ON 09 JUN 2008

STRUCTURE 628263-05-8 L8 L9 1 SEA SSS SAM L8

L10 25 SEA SSS FUL L8

FILE 'HCAPLUS' ENTERED AT 13:19:13 ON 09 JUN 2008

12 SEA ABB=ON L10 6 SEA ABB=ON L11 AND (?CENTRAL?(W)?NERV?(W)?SYST? OR CNS OR ?NEUROCHEM? (W) ?EQUIL? OR ?BIOGEN? (W) AMINE? OR ?NEUROTRANSMIT?)

FILE 'USPATFULL' ENTERED AT 13:21:10 ON 09 JUN 2008

1.13 1 SEA ABB=ON L11 AND (?CENTRAL?(W)?NERV?(W)?SYST? OR CNS OR ?NEUROCHEM?(W)?EQUIL? OR ?BIOGEN?(W)AMINE? OR ?NEUROTRANSMIT?)

FILE 'HCAPLUS, USPATFULL' ENTERED AT 13:21:27 ON 09 JUN 2008

7 DUP REMOV L12 L13 (0 DUPLICATES REMOVED) L14 L15 7 SEA ABB=ON L14 AND (PRD<20041119 OR PD<20041119)

FILE HOME

L7

#### FILE HCAPLUS

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STRUCTURE FILE UPDATES: 6 JUN 2008 HIGHEST RN 1026208-38-7 DICTIONARY FILE UPDATES: 6 JUN 2008 HIGHEST RN 1026208-38-7

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# FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 5 Jun 2008 (20080605/PD)
FILE LAST UPDATED: 5 Jun 2008 (20080605/ED)
HIGHEST GRANTED PATENT NUMBER: US7383587

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